A Complete Bibliography of Publications in ACM Transactions on Programming Languages and Systems (TOPLAS)

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16 April 2015
Version 2.116

Title word cross-reference

(k) [ADGM91, BL94b, KM81]. 2 [Dam03]. 3

[SRW02], + [Han81a], $T^M$ [Bla03], $\phi$, $\pi$
[AW82], $\pi$ [DDDCG02], $A$ [DES12], $\mathcal{R}$
[JMSY92], $\mathcal{R}_{Lin}$ [VR95], $\ell$ [ADG+94],
$O(nn)$ [Pet82], $\phi$ [CF95, DR05], $\pi$ [ABL03].

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-calculus [ABL03]. -Exclusion [ADG+94].
-function [DR05]. -Nodes [CF95]. -Tree [Han81a]. -valued [SRW02].

256 [App15].

568 [Han81b].

90 [DP99]. 95 [WJS+00].

Abstract
[BGL93, BK11, CMB+95, CFG+97, ELS+14, EO80, GS98, HL82, JPP91, Lan80, LO94, LV94, LR13, Loef87, MSJ94, MP88, SS98, She91, Wei89, van88, ABS09, BDL+08, BdlBH99, Leu94, RM07, SYYH07, SJ03].

Abstraction [CGL94, CL94, Der85, GMH81, SM81, BMR05, BBTS07, GMZ00, LN02, LH08, MOSS96, PR07, Ell82].

access [ABLP93, BCC04, KS83, Mis86, NBG13, HR02, HR02, HO07, KSK07, PHP02, PSS05].

Access-Right [KS83]. accessed [RR05].

Accessing [CB80]. Accumulation [Bir84, Bir85]. Accumulators [Cam89]. accuracy [CEG07, HDH02]. accurate [CG04, VBLG04, VALG05]. ACE [Le 88].


Actions [Lam94, LS83]. Activity [Bar81, MTG80]. Acyclic [BE94, JF81]. Ad [MDCB91, PS08]. Ada [Bak82, Dill90, Hii88, LP80, WJS+00].

Adaptation [Dha91]. Adaptive [ABH06, PXL95, TCVB14, UJ92, RD03]. adaptors [YS97]. Addendum [Bir85].


Affine [ELS+14, VJB12]. Affix [GF85]. agents [BCC04]. aggregate [LSLR05].

Ahead [BLH12, DP82]. Algebra [Koz97, Wil82a, KBC+99]. Algebraic [BP82, BWP87, Jen97, Lin93, JB06, SP07].

Algorithm [AB81, Bak82, BB79, BP82, DSW82, Dha91, DP93, GHS83, Hu90, Hud91, LV94, LV98, Lei90, LT79, LH91, MM82, MC82a, Pet82, SH89, TB98, Wis79, BKRW98, BH99, DR05, Dvd07, JN96, Van96a, Van96b, Han81b, BKRW05].

Algorithmic [BP82, GM12, Loef87].

Algorithms [Apt86, BA84, CS95, CN83, GLO88, KRS84, KKM90, Kro82, Kro83, Kro84, Kro85, Kro86, Kro87, Kro88, Kro90, Kro91, Kro92, MM89, RDA7, RH87, RP88, TM93, W995, Ato00, DAS98, GC01, ZG05].

Alias [Hor97, HBC99, RR98]. Aliasing [Boe85, Ram94, RSL+01]. All-Purpose [Spo86]. Allocating [ZP07]. Allocation [BB79, Bre89, BCT94, CH90, CS95, FLBB89, GS90, Rob79, SH89, CGS+03, HCS10, LGAT00, PS99, PF96, RDG08, SRM10, TP04]. Alma [ABPS09]. Alma-O [ABP98]. almost [Duc08, Ram99].

Alternative [Gho93, GH80, Zav85]. Alway [Gri79]. ambients [BCC04, LS03, MH06].

Ambiguity [Tho94]. amortized [HAH12]. Amulet [ZHM+01]. Analyses [AC94, CC95, CFM94, KSV96, SJ03].

Analysis [ABE+05, AD98, Bae84, BC85b, Blo94, BE13, Bur90a, CN91, DL93, De95, DP97, DAW88, GNS+15, G93, HP96, Hi88, Hor97, ISY88, Jen97, KD94, LR13, McG82, M WB94, MO87b, OHL+14, Pal95, PO95, PCC85, PP91, PW94, PW98, Pur91, RT83, RP88, SR95, SSS83, SGL98, SS13, ABB+09, BDFZ90, BAL07, Bla03, Blu99, BCG+07, CSW06, Cha02, CGS+03, CKT86, DDV99, DGS97, FF99, GHB+00, GJ05, GZ04, GCRN11, HAM+05, HPV00, HBC99, HVDH07, HAH12, IK05, JLS01, KBC+99, KK07, KSK07, LP00, LH80, MPM03, NS13, PHP02, Pa98, PHK07, Ram00, Rep00, RSL01, RD97, RRSY08, RO03, RO95, RLS+01, SRW98, SRW02, STS03, SdSCP13,
analyze [VBLG04]. analyzer [SMP10].
Analyzing [AW85, CFP+04, GMM99].
And/Or [Har80]. Annotations [Bur84].
AOP [DES12]. APL [Bud84, GD82, Hob84].
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applicable [Gom92]. Application [CD79, DF80, DF81, LR13].
Applications [BLRS12, Bou88, BALP06, CMLC06, NR06].
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approximations [BGP99]. Apt [Moi83].
architected [ZP07]. Architecture [Wal92].
Architectures [Han94, KPF95, NSTD+15, PAS+15].
Arisim [Bac84]. Arithmetic [Fis80, GNS+15, Hen83, LdR81, MOS07b].
ARM [FKW98]. Array [CGST95, CG95, LS79, Per79, PW98, JB06, LSLR05, NIO5, PHP02, RMH06, RR05, ZCG+07].
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aspect [DDWW08, WKD04].
aspect-oriented [DDWW08, WKD04].
AspectML [DDWW08]. Aspects [Bor81, Set83]. assembly [AAR+10, MWCG99]. Assertions [BKB80].
Assessing [Wey83]. Assignment [BM94, CFR+91, GL80, GPFO8, LDK+96].
Assisted [HCPH92]. Assisting [Fea82].
Associated [PPS79]. associativity [Cha02].
Associons [Rem81]. assume [HQRST02].
assume-guarantee [HQRST02].
Assumptions [ES97]. Asynchronous [Bag89, GLO88, Mis86, GM12, HR02].
Atomic [WLS85, Wei90, AE01]. Atomicity [JLP+14, Wei89, FFLQ08]. Attribute [CP95, Hud91, JP81, Jon90, Kat84, KR97, MK94, RD87, WW95, Boy96, CP96, Wu04]. Attributes [HT86]. Author [Ano86a, Ano88a, Ano89a, Ano90a, Ano91a, Ano92a, Ano94, Ano95, Ano98, Bur91].
authorization [FGM07b]. Authors [Ano82, Ano83, Ano84, Ano85, Ano86b, Ano87, Ano88b, Ano90b, Ano91b, Ano92b].
auto [ZP10]. auto-addressing [ZP10].
Automata [BMW91, ES97, Pro95, KV00].
Automata-Theoretic [ES97, KV00].
Automated [GRSK+11, KF00, Sok87, JNGG10].
Automatic [AK87, Ano02a, Cat80, CES86, DS90, KK98, Le 88, LK02, LS04, MS83, PZJ05, RH87, SSS81, SLC03, She91, Wat91, What94, ABH11, ATD08, BdIH99, CRN+08, ZCG+07].
Automatically [Sko95].
Automating [GKL94, MTSS09].
Avoidance [FGL94]. aware [MQ05].
Axiomatic [AR80, App94a, Boe85, Sou84, YB87, YB88, LP80].
Axioms [Mis86]. B [Han81a]. backpropagator [PS08].
Backtracking [Lin79, VR95, FM87a].
Balanced [AS80, PB80, vHK00]. base [LS98].
Based [BGL93, Bur90a, CG+97a, CL84, CP95, CH90, CPS93, EGP14, GGS5, HT86, JTM98, Kai89, KH92, KR79, LFF14, PW98, RTD83, SR95, SGL98, SNS+14, Wat94, WGS92, vPS81, BF08, BHM+07, BCG+07, CTT07, DTV99, Egu97, FF99, HBJ98, KBC+99, KK07, KC01, LP00, LH08, LGAT00, MTSS09, MH06, Pal98, PPT08, PCJD08, SP97, SP07, SMP10, SYN06, BDP14, WGS93, WM12].
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BDD [LH08].
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Behavioral [LW94]. Being [Cop94].
benefits [GMP+00]. Better [Gri79, Lam88].
between [BS88].
Beyond [GWS95].
Bidirectional [BBT07].
BI-hyperdoctrines [BBT07].
BIDR [ABHI11, ATD08, BdlBH99, CRN+08, ZCG+07].
binaries [STSP05]. Binary [Sip82, DDD05, MMM+07, RC03, YF09].

binding [ACE96]. Birrell [MDJ05].

Bisimulation [FDY12, MH06, San09].

bisimulation-based [MH06].

bisimulations [SKS11]. Bit [KD94, KK07].

bitvector [KSV96]. Bliss [GNS+15]. Block [LS81, Mur91]. Block-Structured [LS81].


bottlenecks [RD03]. Bottom [BGL93, GCRN11]. Bottom-Up [BGL93, GCRN11]. bound [KK07, NI05].

Bounded [ADG+94]. Bounds [PW94, BP12, CEI+07, RR05, SS05a].

boxed [BCC04]. Branch [CGJ+97a, CEG97, YUW02, YS99].

Branches [WZ91, RC03]. Broad [DAW88].


Bus [Pur94]. Bytecode [SA99, BDL+08, CSCM00, FM99, GPF08, KR01, Qia00, SMP10, WR08]. Byzantine [LP98].

'C [PHEK99, BR97, HSS+14, PKH07, PFH11, Ven95]. C# [BCF04]. Cache [GMM99, KLS92, MMM+07, SS96, VBLG04].

Caching [ABM93, FK85, KS86, LST98].

Calculus [Bou06].

Calculus [ABLP93, BKL+97, BN94, Han92, SJ03, SDTF13, HS11, MH04, ST00a]. Classes [SDTF13, WT11, HHPW96, HNM06].

Classical [JSB+12]. Classifying [CG95, CEI+07]. Choice [NP08].

Chariots [PB97]. Check [AP94]. checked [KN06].

checker [NP08]. Checking [Car95, CGL94, ES97, FF08, GL94, HY01, ACM11, BGP99, FFLQ08, HQR10, JJD98, KF10, KV00, NI05, SG04, VJB12, YMW97].

Checks [CG95, CEI+07].

CIRCAL [Mii85].

Circular [Jon90, Pet82].

Circularity [WW95, Wu04]. Clarification [PA86a].

Class [HKMN94, Han92, SJ03, SDTF13, HS11, MH04, ST00a].

Classes [SDTF13, WT11, HHPW96, HNM06].

Classical [JSB+12].

Classifying [GSW95].

Claus [WP10].

Clique [Wat94].

Clique-Based [Wat94].

Clique [GO09].

Closure [Pal95, SW97b, SA00].

CLP [DHM00, GLMM05, JMS92, KMM+98, VR95].

Clusters [BGH+13, HBG+09].

coalescing [GA96, Hau05, PM04].

Code [AGT89, Cat80, Cop94, DF84, FGL94, GF85, Hen82, HG83, JSB+12, KRS94, LR13, Rob79, TVS82, Wan82, AM01, DEM00, Hai98, HBG+09, HK07, JN06, LDK+96, MSR00, ME97, Oho07, PHEK99, WS97, vHK00, CM03, Pen95, WST85].

Cohen [Coh85].

coherence [SS96].

coinduction [San09].

Collecting [HT91].

Collection [BA84, CN83, DW82, LN80, TM93, BALP06, HDH02, PK+07, P96].

Collector [BBY+07, LP06, TSB08].

Coloring [BCT94, CH90, GO94].

combination [BCG+07].

Combinator [FR90, KLS92].

Combinators [FGM+07a, KS88, KS89].

Combinatory [RS97].

Combining [BF94, BP96, CC95, CMB+95].

Come [LH91].

Comments [AB94, KS79, LA84, NN86, S89].

Cells [ISY88].

Centered [CHY12].

Centers [KRS84].

Centralized [HM84].

Centric [DHM+12].

Certificate [BGK+09, BK11].

certified [STSP05].

Chaining [LS80].

Chains [HS94].

challenge [MP02].

change [BA08, CP96, L89].

Changes [Ber94, MT90].

changing [MP07].

Chariots [PB97].

Check [AP94].

checked [KN06].

checker [NP08].

Checking [Car95, CGL94, ES97, FF08, GL94, HY01, ACM11, BGP99, FFLQ08, HQR10, JJD98, KF10, KV00, NI05, SG04, VJB12, YMW97].

Checks [CG95, CEI+07].

Choice [NP08].

CIRCAL [Mii85].

Circular [Jon90, Pet82].

Circularity [WW95, Wu04].

Clarification [PA86a].

Class [HKMN94, Han92, SJ03, SDTF13, HS11, MH04, ST00a].

Classes [SDTF13, WT11, HHPW96, HNM06].

Classical [JSB+12].

Classifying [GSW95].

Claus [WP10].

Clique [Wat94].

Clique-Based [Wat94].

Clique [GO94].

Closure [Pal95, SW97b, SA00].

CLP [DHM00, GLMM05, JMS92, KMM+98, VR95].

Clusters [BGH+13, HBG+09].

coalescing [GA96, Hau05, PM04].

Code [AGT89, Cat80, Cop94, DF84, FGL94, GF85, Hen82, HG83, JSB+12, KRS94, LR13, Rob79, TVS82, Wan82, AM01, DEM00, Hai98, HBG+09, HK07, JN06, LDK+96, MSR00, ME97, Oho07, PHEK99, WS97, vHK00, CM03, Pen95, WST85].

Cohen [Coh85].

coherence [SS96].

coinduction [San09].

Collecting [HT91].

Collection [BA84, CN83, DW82, LN80, TM93, BALP06, HDH02, PK+07, P96].

Collector [BBY+07, LP06, TSB08].

Coloring [BCT94, CH90, GO94].

combination [BCG+07].

Combinator [FR90, KLS92].

Combinators [FGM+07a, KS88, KS89].

Combinatory [RS97].

Combining [BF94, BP96, CC95, CMB+95].

Come [LH91].

Comments [AB94, KS79, LA84, NN86, S89].
Communicating [AFdR80, GC86, HM84, MW84, MC82b, Moi83, Oss83, PP91, Pur91, Sou84, Ber80, KS79]. Communication [Ang89, CHY12, FY85, Gel85, Hua90, LH91, MB83, vPS81, KBC+99, MiI85, SWU10, WM12]. Communication-Centered [CHY12]. Communications [RS84b].


eager [FKW00]. Earley [Lei90]. Early [AB81]. ECCS [CDFP89]. Edge [DP93]. Editing [FL81, HT86, Nix85]. Editor [FM87b, DeM83, Per90, Rep86, Wol92].

Editorial
Expression-Oriented [GP81, YB87, YB88].

Expressions
[BG99b, CGST95, CC97, DAW88, Fis80, Geo84, Gri82, Hen83, HY91, KS83, LdrR81, PK82, Sha82, Sit79, Wat91, Dam03, NN86].

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Expressiveness [WGS92, WGS93, PS96].

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Extension [Bur90b, Coh91, Wir91, ALZ03, KKN06, LS08].

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Extent [MF88].

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Extracting [GP95].

Extraction [TSL+02].

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Failure-Free [Kar84].

Fair [BN94, PR07].

Fairness [ES97, OA88, TB95, AH98].

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Foreign [FF08].

Form [AK87, DP99].

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Foundations [GTWA14, LW93, AAR+10].

Fractal [MPM03].

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Frames [SJP12].

Framework
[BGL93, Gie83, NSZS13, NSTD+15, OHL+14, SGL98, ATD08, DGS97, GMM99, GZ04, GC01, Leu04, PS08, RKRR04, TP04, VBLG04, XA07, ZCG+07, ZP10, vHK00].

Frameworks [MMR95, KK07].

Francez
[Fra81, Moh81, Moi83].

Free [AP94, GHR80, Her91, Kar84, Kob98, JJD98, KSV96].

freedom [KS10].

frontiers [Auo02b].

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function
[DR05, FF08]. **Functional** [AFV98, Ban87, Blo94, Bou05, Bur84, DW89, FL91, ISY88, JPP91, WM95, Web95, Wil82a, ABH06, Bou06, DWWW08, DF98, PS08, San96, SP97]. **Functions** [AKP94, AK82, Bou92, PB80, SM89, Lee09, MBC04, MB99, MT08, PPT08]. Further [CM93]. Fusion [LGAT00]. **Fusion-based** [LGAT00].

G. [Tic88]. **Garbage** [BA84, CN83, DSW82, ISY88, TM93, Wis79, BYYG*05, BALP06, HDH02, LP06, Piq96, TSBR08]. **Garnet** [ZHM*01].


**Generators** [Cat80, GHK81]. **Generics** [IV06]. Geometry [CR87].

**Georgeff** [NN86]. G3 [IPW01]. Glanville [MSRR00]. **Global** [Bae84, Dha91, GHB+96, OHL+14, PK80, PS92, Sch85, dHB+96, CS04, KBC+99, DS88, Sor89]. GLR [SJ06].

**Goal** [Dar90, Gud92, SYYH07].**Goal-Directed** [Gud92, SYYH07].

**Goal-Oriented** [Dar90]. Goto [CF94].

**Graham** [MSRR00]. **Graham-Glanville** [MSRR00]. **Grained** [PBR+15, DNS+06].

Grammar [CI84, CP95, GF85, JP81, KR79, Web95]. Grammar-Based [CI84]. Grammars [BS88, Jon90, Kat84, LaLs1, RD87, RH87, Tai79, WW95, Boy96, CP96, Wu04].

**Grammatic** [Tho94]. Grammars [BB94, MK94]. **Graph** [Ass00, Bee94, BCT94, CFR+91, FOW87, KKSD94, KLS92, MC82a, Son87, CTT07, GC01].

**graph-based** [CTT07]. **Graphic** [Mal82]. **graphical** [ZHM+01]. **Graphs** [HRB90, KPS92, Kna90, SGL98, DR05, JC97, KSK07, SGL96, UM02]. **grid** [VWJB10]. **groundness** [CSS99]. Grover [BH99]. growth [BALP06]. Guarantee [LFF14, HQRT02]. guarantees [LS09]. guard [MP07]. guarded [SP07].


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**heap-manipulating** [YS10]. Heavily [BG89a]. Hennessy [CM93, WST85]. Herding [AMT14]. **Heuristic** [SL92]. hiding [LN02, OYR09]. hierarchical [AG04].

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**High-Level** [Cam89, Fat82, CMS03, VWJB10]. Higher [AC94, AD98, CJK95, BBTS07, DF11, SKS11, SP97]. Higher-Order [AC94, AD98, CJK95, BBTS07, DF11, SKS11, SP97]. Highly [Her93, Skn95]. Hoare [Apt81, GM81, LS84, Sok87, Yin11]. Hoc [MDCB91]. **Homomorphisms** [HIT97]. HOP [BLRS12]. Hybrid [KF10, KS10]. hyperdoctrines [BBTS07].

**I-Structures** [ANP89]. **I/O** [Car95]. Icon [GKH81, Gri82]. id [Bee94]. idempotency
Identical [FLBB89].
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imply [KF00].
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Implemented [DB85].
Implementing [BR97, Her93, HW82, Sku95].
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Inessential [SS82, LaL84].
Jade [RL98]. Jam [ALZ03]. Java [AFF06, ALZ03, AAD+07, BH05a, Bla03, BALP06, CGS+03, CMS03, CSCM00, FFLQ08, FM99, GPF08, IPW01, KKN06, KGM004, KN06, KR01, LST02, LP06, LS08, Loc13, MVV+01, MME+10, MFRW09, MMG00, NR06, OKN06, Qia00, SLC03, SMP10, SA99, SYK+05, TSL+02, WR08]. Java-like [KN06]. JavaCOP [MME+10]. JavaGI [WT11]. join [WKD04]. JR [KGMO04]. Jump [LS80, RS84a]. just [SYK+05]. just-in-time [SYK+05]. JVM [HO07].


labels [Sto04]. Laboratory [Bor81]. LaLonde [Hen83, LaL83]. LALR [DP82, KM81, PCC85]. Lambda [Geo84, Gom92, NN86, PS08]. Laminar [FBR+15]. Lamport [Ang89, Pet83b].

Language [ACPP91, AOC+88, ABPS98, BS86, BO94, Bor81, BC91, Fat82, Fea87, Gud92, Hal85, JMSY92, JPP91, Kai89, McGl2, Per79, PPS79, RTD83, RCS93, Spo86, SNS+14, Tur84, Wet82, Win87, YS91, YB87, DJKV512, van88, Bou05, BSgf03, CFP+04, DWWW08, DF98, FM99, Gro06, HBJ98, KN06, LF99, MF09, MWC99, PPT08, PHK99, Tra08, VHHK02, HCW82, YB88]. Language-Based [Kai89, RTD83].


Layout [KK98, LSV+83, GPWZ08, KF00]. Lazy [ABM93, FKW00, HFR94, Huf91, TCVB14, Chi05]. LCF [Sok87]. lead [SS05a]. Leader [Hua93, KKM90]. leak [HDH02]. learned [ZHM+01]. Learning [CGJ+97a]. Least [AB81, Bac84]. Least-Cost [AB81, Bac84]. Left [FKW98]. Left-Linear [FKW98]. legacy [NCH+05]. length [SMP10]. Lessons [ZHM+01]. Let [LY98].

Let-Polymorphic [LY98]. Level [Cam89, Fat82, GP95, CMS03, VWJB10].


Linear [BL94b, FK98, FS99, RS84a, YR94, BK98, BKRW05, FMP91, KBC+99, Rep98, RM10].


Liveness [ACW90, GC86, OL82, RY88, HDH02]. LL [BF87]. Load [KPF95]. Loaded [BG89a].

Local [BDFZ90, CBDGF95, PT00, TSBR08, Wei89, Dan03, San96]. Locality [MCT96, VAL93, ZSD09]. Locally [AB81, Bac84, Min84]. locating [JNGG10]. lock [KS10]. lock-freedom [KS10]. locking [AFF06]. LOCKSMITH [PFH11]. Logic [AS89, AFV98, Apt81, BGL93, BL87, BCD90, BDJ13, BPM94, CS04, CES86, CFM94, DW89, Deb89, DL93, Deb95, JPP91, Kar84, LS84, Lam94, MW84, MSJ94, MMG92, SS98, Sok87, TK94, TB95].
BBTS07, BCG +07, BdIH99, CU08, CG86, CSS99, DDV99, DPRR00, GHB +96, GW99, HVB +99, HPMS00, KWL09, LMD98, Leu04, PM06, RKRR04, SRW02, Yin11, dHB +96.


Modelling [AMT14]. Models [GJ93].
Modern [BCF04, RAB+07]. Modes [Deb89]. modest [LS08]. Modification [Lei90, RLS+01]. Modula [EO80]. Modular [AG04, BMPT94, GL94, Jajag94, KKM90, MBC04, Wei89, YB85, dJKVS12, KV00, MFRW09, MOS07b]. modularity [BA99].
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Morel [Dha91, DS88, Sor89]. Morphing [HS11]. Mostly [YF09, BBYG+05]. Motion [KRS94, Hai98].
MPI [TSY00]. multi [MF09]. multi-language [MF09]. Multialgebraic [WM95]. multidimensional [RDG08].
Multiprocess [Lam79, Lam80]. Multiprocessing [ABB14].
Multiprocessor [GP81]. Multiprocessors [Cha93, KR88]. Multisource [MMR95].
Multithreaded [EGP14, JSB+12, KKW14, NR06]. Multivariate [HAH12]. Multiway [Cha87, Van96a, Van96b]. munch [Rep98].
Mutual-Exclusion [LH91]. Myths [Gor04].

Nesting [Hav97, Boy10]. Net [JTM98].
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Nicholson [FA93]. node [JC97, UM02].
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Nominal [CU08]. non [BS88]. non- [BS88]. Noncanonical [Tai79]. Noncorrecting [Ric85]. Nondeterminate [TK94].
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Nondeterministic [QG95, MT08]. Noninterfering [HPR89]. nonnumerical [ME97]. Nonprocedural [PPS79].
nonrectangular [CRN+08]. Nonsequentiality [Bar81].
Nonstrict [Blo94]. Nontermination [PM06]. normal [LMD98]. Normalize [CRN+08]. norms [BCG+07]. Notation [Rem81, Wbl82b]. Note [Com80, CM93, MS88, WST85, Cohl85, Pal11b, YK97].
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O [ABPS98, Car95]. Object [DF84, HU96, KH92, WcW90, WcW91, BSvGF03, DDDCG02, FM99, GPWZ08, HBM+06, JPS+08, LPS004, Pq96, WJS+00].
Object-Based [KH92]. Object-Oriented [HU96, BSvGF03, JPS+08, WJS+00].

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Old-Fashioned [AL94]. On-Line [Bal94].
On-The-Fly [CF95, BA84, LP06, PBK+07].
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Operational [BLRS12, Han94, MF09].

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[Bee94, Blo94, BT93, DF84, DP97, DDH84, Dha91, DS88, FOW87, HG83, Pem83, PP94, SS82, Sor89, TvS82, Wb95, Ass00, BHK07, KBC+99, KF03, PE08, TVA07, ZP10, CG95, LaL84, OKN06]. Optimizations
[CC95, JSB+12, CGS+03, CKT86, GMP+00, SYK+05]. optimize [VBLG04]. Optimized
[CM93, Cop94, Hen82, WST85, DS98, UM02]. Optimize
[DF80, FSS83, DF81]. Optimizers
[Gie83]. Optimizing
[CEG07, KMM+98, LSLR05, ML80, NSZS13, QR00, BKGR09]. Or-Parallel
[GJ93]. orchestration
[PE08]. Order
[AC94, AD98, Bur84, CJ95, DP97, JPP91, JS94, SS98, BBTS07, DF11, SKS11, SP97]. ordering
[GS99]. Organization
[Han81a]. Oriented
[Bor81, Dar90, Ell82, GTWA14, GKL94, GP81, HU96, SM81, Tur84, YB87, YB88, BSvGF03, DWWW08, JPS+00]. Origins
[San09]. OSI
[CDFP89]. Output
[Ber80, BS83].

overflow [KOE+06]. overhead
[BP12, SS96]. overlays [SWU10]. Overload
[Bak82]. overloading [SS05b]. Overview
[AOC+88]. ownership [DDM11, SS96]. Oz
[VHB+97].

Package [Hi88]. Paper
[GM81]. Parallel
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[Bur84, GP95, KSV96, NB99, PW94, TCBV14]. Parallelization
[BDJ13, PP94, BdLB99, HAM+05]. Parallelizing
[HP96, ME97, RD97]. Parameter
[Gaz83, Zho96]. Parameterization
[TWW82]. Parameterized
[CGJ97b, CK93, Gaz83, RKSR12]. Parametric
[HFC09, MMG92, SRW02, IV06]. Parenthesis
[AS80]. Parlog
[CG86]. Parse
[BP94]. Parsing
[DDH84, LaL84, SS82]. Parsers
[BN99, LaL81, MYD95, PK80, CPRT02, SJ06, ST00b]. Partially
[BLH12, KOB98, RRSY08]. partially-flow-sensitive
[RRSY08]. partitioning
[RM07, YF98]. Parts
[Son87]. Pascal
[LS79]. Pass
[Bak82, BM94]. Passing
[Gaz83, SS84, CWS06, Gor04, Zho96]. Passive
[AKP94]. past
[PM09]. Path
[Blo94, SMP10]. path-length
[SMP10]. Pattern
[EGP14, ADR06, Jay04, MTSS09, Van06]. Pattern-Based
[EGP14]. Patterns
[GH80]. PDS
[Han81b]. PEAK
[PE08]. Peephole
[DF80, DF81, Pem83, TV82]. PegaSys
[MH86]. CS
[CD79]. CV3
[CZ84]. fold
[RKRR04]. Semantic
[HGW82]. subscribe
[Eug07]. time-efficient
[YF98]. write
[AE01]. Pennello
[Sag86]. Perfect
[Duc08]. Performance
[HU96, PB80, KF00, PE08]. Performed
[Cole91, Wir91]. Permission
[SNS+14]. Permission-Based
[SNS+14]. permissions
[Boy10]. Persistent
[AM85]. Petri
[JTM98]. Petri-Net-Based
[JTM98]. Phases
[Bar81]. Philosopher
[CM84]. Philosophers
[MS88]. pi
[HR02, KPT99]. pi-calculus
[HR02, KPT99]. pict
[SWU10]. Pictures
[MH86]. Pipeline
[CG86]. Pipelined
[BG89b, RDG08]. pipelineing
[ME97]. pitfalls
[Mon08]. PL
[CD79, CZ84]. PL/CS
[CD79]. PL/CV3
[CZ84]. place
[GW99]. Placement
[DP03, GS99, vHK00]. pluggable
[MME+10]. Point
[CK94, Fat82, GJ05, Hau96, Mon08].

**Pointer** [LS79, RR03, HBC99, HVDH07, PKH07, RLS+01]. **Pointers** [S13, RR05].

**(points** [WKD04]. **Pointwise** [VSS94].

**Policies** [NBG13, BDFZ09, FGM07b]. **Policy** [Kro82, Kro83, Kro84, Kro85, Kro86, Kro87, Kro88, Kro91, Kro92, U92, BFG08]. policy-based [BFG08].

**polyhedral** [QR00]. **POLYLITH** [Pur94].

**Polymorphic** [BMR05, Dug99, HT04, Hen93, KTU93, LO94, LY98, Oho95, SV96, WJ98, BSvGF03, DWWW08].

**Polymorphism** [Bur90b, MDCB91, HFC90].

**polynomial** [BAL07]. **PolyTOIL** [BSvGF03].

**polyvariance** [LMD98].

**Polyvariant** [AC94, WJ98].

**Portable** [DDH84, Han81b, HK07]. **Postfix** [DS83].

**Postpass** [HG83].

**Power** [TWW82, SSD09].

**Powerlist** [Mis94].

**PPMexe** [DKV07].

**PQ** [GZ05]. **PQ-encoding** [GZ05].

**Practical** [AD98, BF87, Dha91, PBR+15, SS13, TSL+02, WC97, Bou05, DR05, DVD07, DGS97, JNZ06, PFH11].

**Practice** [KRS94, Bla03, DRSS96].

**Pragmatics** [Gom92].

**Precedence** [Hen83, LdR81].

**Precise** [Hor97, PHP02].

**precondition** [Bou02].

**Predicate** [Lam90, BMRF05, Bou05, Bou06, MFR09, MMS06, PR07].

**Predicates** [CBDGF05, Lam98].

**predictable** [SHB+07, HK07].

**Prediction** [CGJ+97a, CEG97, YS99].

**Prepacing** [FK85].

**Presence** [AWW95, CF94, KU93].

preserving [DHS09, LST02].

**pretunering** [BHM+07].

**Pretty** [Chi95].

**Prettyprinter** [Wat83].

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**principals** [TZ07].

**Principals** [Bou88, DRSS96].

**printing** [Chi95].

**Priority** [CH90, Fid93].

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**Privacy** [BKOZ13].

**Privileges** [Min84].

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**Problem** [ADG+94, CM84, DS88, Gho93, LSP82, MS88, Pet82, Pet83b, PB97, Sor89, FGM+07a, WZ04].

**Problems** [Bac84, DP93, MMR95, SRW98].

**Procedural** [HF87, Lin93, VSS94].

**Procedure** [GS99, GL80].

**Procedures** [AM85, Kat84, NO79].

**Process** [Koh98, vPS11, WP10].

**process-oriented** [WP10].

**Processes** [AFR80, Bag89, FDIY12, HM84, KS79, MW84, MC82b, Oss83, RY88, Sou84, DB85, AE98, KS10, Ber80, Moi83].

**Processing** [GH80, Reil83].

**Processor** [BG89b, Bud84].

**Processors** [GLR83, Per79, ZP10].

**Production** [Wad90].

**Productivity** [Sij89].

**Profile** [BHM+07, YUU02].

**Profile-based** [BHM+07].

**Profiling** [BL94a, SP97].

**Program** [Bal94, Bar85, BAL07, BKB80, Col84, Der85, Fea82, FOW87, FT94, FL91, HSP93, HKR94, Jen97, KKW14, KWL09, Lam83, Lam88, LFF14, MS83, MW80, Mis81, Nie85, PP94, PPS97, Rem81, TSY00, Wat94, Wey83, ZSD09, Ass00, DDD05, GZ04, KF03, LH08, NS13, Pau01, RAB+07, SLC03, WZ07, WN08, YF09, DKV07].

**Programming** [AGT89, AR84, ABPS98, BS86, BL87, Bir84, Bor81, BMFT94, BWP87, CHY12, CL94, Dar90, DFR15, DGL+7, Duq99, Fos96, FL15, GTWA14, Har80, HK85, HO82, Kae89, Kh92, Lee86, LV+83, MK94, Mye90, Pet83b, RCS93, SS84, SNS+14, SZBH86, TK94, ABH06, Bou06, DlBHB99, CU08, CG86, CKT86, DWWW08, DPPR00, GW99, HBJ98, JP+08, KGM04, MVL+01, MTSS09, MQ05, Tra08, VWJB10, WKM04, WJS+00, Bir85, SUV10].

**Programming-in-the-Large** [MK94].

**Programs** [AWW95, AK87, AFV98, AR80, AP94, AC94, BL94a, Ban87, BL94b, BC85a, BC85b, Ber94, BCD90, BE94, BE13, CR87, CB80, CM86a, Cha93, CEW14, CMN91, Cia80, CFM94, CS87, DGMP97, DW89, Deb89, DL93, Deb95, DP97, Di90, EG14, GG85, GM81, Har80, HCHP92, HPR89, How80, HIT97, ISY88,
Jon83, JF81, Kna90, Lam79, LS83, MSJ94, MH86, NSSZ13, OA88, OL82, PS92, QL91, Rao94, SS98, Sch82, SSS81, SS88, Ven95, Wad90, Web95, Wi88a, AE01, AAE04, BCG+07, CSW06, CSS99, DP99, DDV99, DS98, EGM01, GM12, GHB+96, GH97, GPA+01, Hau96, HPMS00, JPS+08, KSV96, LMD98, Leu04, LS09, MF09, NR06, PM06, RR03, San96, VJB12, WM12, YS10, Yin11, dHB+96, Bur84, Lam80.

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Promotion [Bir84, Bir85].

Proof [AFdR80, BDJ13, FRW90, GL80, Moi83, Sag86, SS84, Sok87, WGS92, WGS93, AM01, DSW11, Oho07].

Proof-Directed [BDJ13].

Proofs [Apt86, BC85a, CM86b, LY98, Oss83, GRSK+11].

Propagation [SR95, WZ91, Apt00, CP96, SS05a, SS08, SS09].

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Pure [HU96, Pip07, Tar07].

Purpose [App94b, HSS+14, Spo86].

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R [AW82, CKT86, KMM+98].

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realities [Gor04].

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Rely-Guarantee-Based [LFF14].

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S [HCW82]. S/SL [HCW82]. Safe [AWW95, Dug02, AFF06, BSvGF03, LS03, Loc13, NCH+05, SA00, ZCG+07, MH06, SHB+07].

safe-for-space [SA00], safety [FF08, YS10], same [SS05a], sampling [PPT08].


satisfiability [XA07]. satisfying [Van96a, Van96b]. Saturn [XA07].


schema [RLS+01]. Scheme [Mur91, YR94, IV06, WC97]. Schemes [Son87, TM93]. Schorr [BP82].


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Tables [ADGM91, DDH84]. Tail [DP97, CF04]. Tail-Call [DP97].


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Task-Level [GP95]. Task-Parallel [NSZS13]. Tasking [Di90]. Tasks [GP81].

tcc [PHEK99]. Technical [BS88, Bur90b, Bur91, Coh91, CM93, DS88, Eli82, FA93, Fra81, Hen83, LaL83, LaL84, Moh81, Moi83, MS88, NN86, Par90, Pem83, Sor89, SM82, Tan83, Tie88, Vol91, WST85, Wir91, YB88, MMG00].

Technique [AW95, BNS12, KKM90, SS81, SSS83, JNCG810, KBC+99, RD07, SY06].

Techniques [AK82, CMN91, DP89, GLR83, How80, TWW82, WC90, WC91, BHK07, DDD05, DEMD00, LS89, MSRR00, SS96, TSL+02]. technology [LS98].

Temporal [AS89, CBDGF95, CES86, Kar84, Lam94, MW98, GS99, KWL09].


Tenuring [UJH92]. Term [KKSD94, MBT09, GS99].

Termination [AF84, Apt86, BAGM12, BCG+07, Fra80b, GJ05, HSP83, MC82b, TM93, BAL07, BAO8, DDV99, GRSK+11, Lee99, PR07, SMP10, Fra80a, Moh81]. Test [Wey83, WW95, Duc08]. Testing [AMT14, GMH91, TK94]. Tests [Coh91, Koz97, Wir91, GZ05]. Text [CC97].

Their [Kam83, LaL84, SSS82, PS86].

Theoretic [ES97, Sha82, KV00]. Theories [NSTD+15, Bou06]. Theory [CZ84, KD94, KR94, NBG13, TLHL11, CGP09, MH06, Oho07, Pau01, SS95, Bla03, FG03].

ThingLab [Bor81]. things [PM09].

Thinning [Web95]. Third [Wol92].

threaded [TSY00]. Three [Ost93]. Tichy [Tich88]. tiling [JLF02, LS04, RK012].

Time [AL94, ABR81, BL94b, BLH12, Coh91, Hol87, ISY88, Jef85, Lam84, MMG92, PS93, RS84a, RS84b, Wir91, YR94, Zic94, BAL07, BALP06, BK98, BK99, DDD05, GH97, GMP+00, GB99, GW99, HK07, LS89, LS99, MI85, Ram99, Rep98, SYK+05, Tra08, TZ07, Wu04, YMW97, LW93].


tokenization [Rep98]. Tolerance [LJ99].

Tolerant [CS95, Lam94, AA04]. Tool [CP93]. Toolkit [BDHF97]. toolkits [ZHM+01].


Total [San96]. Trace [FGL94, WGS92, Ban11, RM07, SJ03, WGS93, WM12].

Trace-Based [WGS92, WGS93, WM12].

traces [HBM+06, WR08]. Tracing [BL94a, MMM+07]. tradeoffs [ZGZ05].

Trailing [VR95]. Traits [DNS+06].

transactional [ABHI11, CFT+04].

Transactions [HKMN94]. Transform [BKB80, Faa82, FL91, NSZS13, Wat91, RKR04, San96, TSY00, WZ07].

Transformational [BDHF97, Bir84, Bir85, DS98, OA88, RC03].

Transformations [Bar85, EGM01, Geo84, LD81, LFF14, MS83, MCT96, Nie85, GFM+07a, KWL09, MOS07a, VAL05, WS07, Hen83, NN86].

Transformers [Lam90, MM86, MBT09].

TransformGen [GKL94]. Transforming [AW95, BE94].

Transition [PR07].

Translation [AK87, BK11, Kat84, Son87, AAD+07, BGKR09, DP99, RC03].

Transmission [HL82].

Transparantly [JSB+12]. Transport [Min84]. transpose [CRN+08].

Traversals [LPSO04].

Treatment [YB87, YB88]. Tree
[AGT89, BOV85, BMW91, DS83, Han81a, Hen93, LdR81, FGM+07a]. Trees
[Com80, GHS83, MTG80, Sip82, Wad90, ACM11, SGL97]. trick [DMP96]. TSL
[LR13]. tuning [GMM99, PE08]. Tuples
[Rem81]. Tutorial [GM81]. Two
[BO94, CDFP89, GPWZ08, FMPs11].
Two-dimensional [GPWZ08].
two-variable [FMpso11].
Type
[Bur90b, Car95, CEW14, Coh91, CZ84, Dug02, Eug07, HHPW96, HM93, Hen93, KPS92, KTU93, KR01, Lan80, LO94, LST02, LY98, LP00, NBG13, PO95, SA99, SM90, TWW82, Van06, Val80, WT11, Wir88, WC97, BSvGF03, BCG+07, FJKAO6, FGM07b, FM99, FF08, GZ07, GMZ00, HO07, HDH02, HY07, KF10, KS10, NP08, NCH+05, PT00, STS05, TFK+11, TZ07, Wal81, Wir91].
Type-based
[Eug07, LP00, BCG+07].
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[Coh91, Wir91].
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[LST02].
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[ACPP91, Dug99, RM10, SV96].
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[CL95, MBC04].
Typed
[ACPP91, Geo84, Koh98, NN86, WCM00, AAR+10, LP99, MWC99].
Types
[AFF06, AC93, BB94, DD85, ESO8, FFLQ08, HL82, Hes88, Jen97, Kam83, LaL89, LO94, Loe87, Mal82, MP88, WL85, Wei91, Wei90, AM01, BBF+11, Dan03, DMM11, Gro06, GPV07, HVP05, IV06, MME+10, PS96, Ply98, STS03, SP07].
Typestate
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[AS04, BP89, Hua93, AH10, HY07].
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[HSS+14, HN05, SRW98, ShB+07].
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[MS83, BDFZ90, IK05, QR00].
Use
[FOW97, GH80, HL94, LaL84, PPS79, She91, SS92, CC97].
usefulness
[HDH02].
User
[ACSS84, D590, Me90, Val80, Wal81, Wat83, van88].
User-Defined
[Wal80, Wal81].
Using
[AGT89, B080, C1G+97a, CES86, CH87, DP93, Dill90, FLBB89, GSW95, GSO94, HBR90, JTM98, Kar84, LaL89, Lam84, Me90, Ode93, Pet83b, P994, PBR+15, SS84, SS06, Sok87, SGL98, T8S2, ACM11, BH99, C5W06, CGS+03, DR05, G99, GCR11, KLW09, KSK07, MTSS09, RD03, ST00a, SGL96, TFK+11, VJB12, XA07, YUW02, ZSD09, Pem83].
Utilizing
[ES97].
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[McG82, Wet82].
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[How80, KCO1, MOS70a].
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[HL82, HL05, SW97a].
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[RHM06, SRW02].
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[MS83, MTG80, FMPs11, GLMM05].
Variables
[GSW95, JPP91, Lam88, LH91, Pe83b, Rem81, Sch85, BGP99, HB+99, NS13, SV96].
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[FG03].
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[AK87, Bud84, Fs80, FT95, KD94, Per79, K907].
Verifiable
[YB85].
Verification
[App15, BDP14, CDFP99, CES86, CPS93, Dill90, EGP14, GL94, Jon94, JTM98, KKW14, LFF14, LJ99, LS79, NBG13, RY88, BDL+08, CEI+07, GPF08, GM12, Qa00].
Verified
[BFGT08, BKL+97, JLP+14, DSW11].
Verifying
REFERENCES

[AS89, BFG08, CGJ97b, YS10, Mon08].
Very [GLR83]. VHDL [BKL+97]. via [CEI+07, FKW98, GF08, GSO94,
MM+07, PE08, SRV02, Tra08, WCM00].
View [SZBH86, FGM+07a]. view-update [FGM+07a]. Virtual [Jef85, CEG07, KN06].
Visual [Mye90, BCM99]. vita [MP10a, MP10b]. VLSI [LVV+83].
Volpano [Bur91]. vs [HR02].

W [Tic88]. Wait [Her91]. Wait-Free [Her91]. Waite [BP82]. Warp [LW93]. way [ZHM+01].
Weak [AMT14]. weakening [SYH07]. Weaker [Boo82]. web [BFG08, BLRS12, CHY12, CGP09, CMS03].
Weight [GHS83]. While [Pet83a, BC85b, MG81]. while-Programs [BC85b].
Widening [KKW14, VJB12]. win} [Lam90]. Within [FKW98]. Without [Cop94, Ode93, AS89, Cas95, Sto04, VR95].
Witnessing [TA08b]. Workbench [CPS93].
World [GG85, DF11].

XARK [ATD08]. XML [HVP05, HFC09].
XSL [MOS07a].

Years [Apt81].

References


References


Bijan Arbab and Daniel Berry. Some comments on “A denotational semantics for Prolog”.


Acar:2009:EAS


Alur:2005:ARS


Abadi:2011:STM


Amadio:2003:RDC


Abadi:1993:CAC


Afek:1993:LC

Yehuda Afek, Geoffrey Brown, and Michael Merritt. Lazy caching. ACM Transactions on Programming Lan-
REFERENCES


Apt:1998:AIL


Andre:1981:MAC


Ariola:2009:SCA


Amadio:1993:SRT


Ashley:1994:FCP


Abadi:1996:SM


Attali:1996:NSE

Isabelle Attali, Denis Caromel, and Sidi Ould Ehmety. A nat-


REFERENCES


Abadi:2006:TSL


Alpuente:1998:PEF


Apel:1993:Eb


Alur:2004:MRH


Aung:2014:SS

REFERENCES


Ancona:2003:JDJ


Atkinson:1985:PPD


Appel:2001:IMR


Alglave:2014:HCM


Anger:1989:LIC


Anonymous:1982:IA

Anonymous:1983:IA


Anonymous:1984:IA


Anonymous:1985:IA


Anonymous:1986:IA


Anonymous:1986:IA


Anonymous:1987:IA


Anonymous:1988:AI


Anonymous:1988:IA


Anonymous:1989:AI


Anonymous:1989:IA

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<td>Anonymous</td>
<td>1990</td>
<td>Information for Authors</td>
<td><em>ACM Transactions on Programming Languages and Systems</em>, 12(3):497–500, July 1990. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).</td>
</tr>
</tbody>
</table>


[AR84] William F. Appelbe and A. P.

**Arnold:1980:URG**


**Alpern:1989:VTP**


**Assmann:2000:GRS**


**Aiken:1995:SST**


**Arenaz:2008:XEFD**


**Ashcroft:1982:RS**


**Avrunin:1985:DAD**

Alexander Aiken, John H. Williams, and Edward L. Wimmers. Safe: a semantic technique for transforming programs in the presence of errors. *ACM Transactions on Programming Languages and Systems, 17*(1):
REFERENCES


**Alur:2001:MCH**


**Ben-Ari:1984:AFG**


**Blume:1999:HM**


**Ben-Amram:2012:TIL**


**Backhouse:1984:GDF**


**Bagrodia:1989:SAP**

REFERENCES

Baker:1982:OPA


Ball:1994:ECP


Ben-Amram:2007:PTA


Brecht:2006:CGC


Banerjee:1987:MSR


Banerjee:2011:MFT


Barnden:1981:NCA


Barstow:1985:CTD

David Barstow. On convergence toward a database of program transformations. *ACM Transactions on Programming Languages and Systems*, 7(1):
Beyer:1979:SED


Breuer:1994:DET


Bengtson:2011:RTS


Biering:2007:BHH


Barabash:2005:PIM


Bobrow:1979:CEL


Bates:1985:PP

Joseph L. Bates and Robert L. Constable. Proofs as programs. *ACM Transactions on Programming Languages and Systems*, 7
REFERENCES


REFERENCES


Bhatia:2008:RSE


Briggs:1994:IGC


Bergstra:1997:TCT


Bartoletti:2009:LPR


Botincan:2013:PDP

Matko Botincan, Mike Dodds, and Suresh Jagannathan. Proof-directed parallelization synthesis by separation logic. ACM Transactions on Programming Languages and Systems, 35(2):8:1–8:??, July 2013. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Bernardeschi:2008:DBV

REFERENCES

Issn 0164-0925 (print), 1558-4593 (electronic).

Bueno:1999:EAI


Bowman:1993:RAN


Barthe:2014:FVS


Bossi:1994:TAP


Bouajjani:2013:ARP


Beemster:1994:SOG


Bernstein:1980:OGN

Arthur Bernstein. Output guards and nondeterminism in “Communicating Sequential Processes”. ACM Transactions on Programming Languages and
Bernstein:1989:SEP

Bhargavan:2008:VPB

Bhargavan:2008:VII

Berzins:1994:SMS

Burke:1987:PML

Barbosa:1989:CHL

Bhargavan:2008:VII

Bhargavan:2008:VPB

Bhargavan:2008:VII

Berzins:1994:SMS

Burke:1987:PML

Barbosa:1989:CHL

Bernstein:1989:SEP
REFERENCES


REFERENCES

Buhr:2005:ISM

Binkley:2007:ESO

Blackburn:2007:PBP

Bird:1984:PAS

Bird:1985:APA

Barthe:2011:AMC

Broy:1980:DIA

Breuer:1997:RCS
REFERENCES


Barthe:2013:PRR


Buchsbaum:1998:NSL


Buchsbaum:2005:CNS


Back:1988:DCA


Ball:1994:OPT

References

Bates:1994:RSL

Blanchet:2003:EAJ

Boudol:2012:RAW

Blume:1999:DAS

Brandis:1994:SPG
REFERENCES


**Boehm:1985:SEA**


**Boom:1982:WPL**


**Borning:1981:PLA**


**Boute:1988:SSP**


**Boute:1992:EDF**


**Boute:2005:FDL**


**Boute:2006:CSD**

REFERENCES

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Bar-On:1985:OPG

Boyland:1996:CAG

Boyland:2010:SFP

Burns:1989:USS

Bendersky:2012:SOB

Broy:1982:CAA

Broy:1982:CAA
REFERENCES


[Buckley:1983:EIG] G. N. Buckley and Abraham Silberschatz. An effective implementation for the generalized input-output construct of CSP. ACM Transactions on Programming Languages and Systems, 5(2):223–235, April 1983. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic). They present a distributed algorithm for CSP output guards based on priority ordering of processes. Their algorithm has the property that two processes that can communicate and do not establish communication with a third process will communicate within a bounded time.


REFERENCES


REFERENCES

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


URL http://www.acm.org/pubs/toc/Abstracts/0164-0925/5399.html. An early version ap-


REFERENCES


[CF04] John Clements and Matthias Felleisen. A tail-recursive ma-


REFERENCES


REFERENCES


Clarke:1994:MCA


Castagna:2009:TCW


Choi:2003:SAS


Chatterjee:1995:OEA


Cohen:1987:PCU


Chow:1990:PBC


Charlesworth:1987:MR

[Cha87] Arthur Charlesworth. The multiway rendezvous. *ACM Transactions on Programming Languages and Systems*, 9(3):
Chatterjee:1993:CND

Charlesworth:2002:UAC

Chitil:2005:PPL

Carbone:2012:SCC

Cameron:1984:GBD

Cejtin:1995:HOD

Consel:1993:PPE
REFERENCES


REFERENCES


REFERENCES


[Cop94] Max Copperman. Debugging optimized code without being misled. *ACM Transactions on Programming Lan-
REFERENCES


REFERENCES


Carlsson:2006:MAC

Richard Carlsson, Konstantinos Sagonas, and Jesper Wilhelms-
on. Message analysis for concurrent programs using mes-
sage passing. ACM Transactions on Programming Lan-
guages and Systems, 28(4):715–746, July 2006. CODEN
ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Collberg:2007:DGB

Christian S. Collberg, Clark Thomborson, and Gregg M. Town-
send. Dynamic graph-based software fingerprinting. ACM
Transactions on Programming Languages and Systems,
0164-0925 (print), 1558-4593 (electronic).

Cheney:2008:NLP

James Cheney and Christian Urban. Nominal logic pro-
gramming. ACM Transactions on Programming Lan-
guages and Systems, 30(5):26:1–26:47, August
2008. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-
4593 (electronic).

Constable:1984:TTP

Robert L. Constable and Daniel R. Zlatin. The type theory of
PL/CV3. ACM Transactions on Programming Languages
and Systems, 6(1):94–117, January 1984. CODEN ATPSDT.
ISSN 0164-0925 (print), 1558-4593 (electronic).

Damiani:2003:RIT

Ferruccio Damiani. Rank 2 inter-
section types for local def-
nitions and conditional expres-
sions. ACM Transactions on
Programming Languages and
2003. CODEN ATPSDT. ISSN
0164-0925 (print), 1558-4593
(electronic).

Darlington:1990:SDG

Jared L. Darlington. Search di-
rection by goal failure in goal-
oriented programming. ACM
Transactions on Programming
Languages and Systems, 12(2):
224–252, April 1990. CO-
DEN ATPSDT. ISSN 0164-
0925 (print), 1558-4593 (elec-
tronic). URL http://www.acm.org/
pubs/toc/Abstracts/0164-0925/
78946.html.

Dujardin:1998:FAC

Eric Dujardin, Eric Amiel, and
Eric Simon. Fast algorithms
for compressed multimethod dis-
patch table generation. ACM
Transactions on Programming
Languages and Systems, 20(1):
116–165, January 1998. CO-
DEN ATPSDT. ISSN 0164-
0925 (print), 1558-4593 (elec-
acm.org:80/pubs/citations/
journals/toplas/1998-20-1/
p116-dujardin/.

Dillon:1988:CET

Laura K. Dillon, George S.
Avrunin, and Jack C. Wile-
don. Constrained expressions:


[DDM11] Werner Dietl, Sophia Drossopoulou and Peter Müller. Separat-


DeFraine:2012:EAC


Davidson:1980:DAR


Davidson:1981:CDA


Davidson:1984:CST


Davidson:1998:SSF


Dimoulas:2011:CSH


Demetrescu:2015:RIP


Dams:1997:AIR

REFERENCES


Dewar:1979:PRE


DeBoer:1997:PCC


Duesterwald:1997:PFD


Dhamdhere:1991:PAG


delaBanda:1996:GAC


Dhar:1997:BCP

REFERENCES


Debray:1993:CAL


Degano:1988:EIL


Danvy:1996:EED


Ducasse:2006:TMF

[DNS+06] Stéphane Ducasse, Oscar Nierstrasz, Nathanael Schärl, Roel Wuyts, and Andrew P. Black. Traits: a mechanism for fine-grained reuse. ACM Transactions on Programming Languages and Systems, 28(2):331–388, March 2006. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

DeRemer:1982:ECL


Dhamdhere:1993:EAB


Debray:1997:ICF

[DP97] Saumya K. Debray and Todd A. Proebsting. Interprocedural control flow analysis of first-order programs with tail-call optimization. ACM Transactions on Pro-
REFERENCES


[DeRose:1999:TTM]

[Dovier:2000:SCL]

[Das:2005:PFI]

[Dawson:1996:PPU]

[Dekel:1983:PGP]

[Drechsler:1988:TCS]
Karl-Heinz Drechsler and Manfred P. Stadel. Technical correspondence: a solution to a problem with Morel and Renvoise’s “Global Optimization


Dewan:1990:ASA


Derrick:2011:MVP


Ducournau:2008:PHA


Matt Elder, Junghee Lim, Tushar Sharma, Tycho Andersen, and Thomas Reps. Abstract domains of affine relations. *ACM
Ernst:1980:SAD


Emerson:1997:USW


Eugster:2007:TBP


Finlay:1993:TCC


Fateman:1982:HLL


Feng:2012:BQP


Feather:1982:SAP

REFERENCES

CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

**Feather:1987:LSS**


**Flanagan:1999:CSB**


**Furr:2008:CTS**


**Flanagan:2008:TAS**


**Fourner:2003:SIT**


**Freudenberger:1994:ASC**


**Foster:2007:CBT**

REFERENCES


Fokkink:2000:LRE


Fraser:1981:EDS


Frader:1991:CFL


Frechtling:2015:MMS


Fischer:1989:DFA


Finkel:1987:DDI


Fraser:1987:ERC

REFERENCES


REFERENCES

Francez:1981:TCR


Farmer:1990:CPC


Freudenberger:1983:ESO


Foster:1994:CAS


Fricke:1995:ICI


Francez:1985:SIC


Gawrilow:1996:IRC

REFERENCES

Gazinger:1983:PSP


Greiner:1999:PTE


Gouda:1986:PLN


Gelernter:1985:GCL


Georgeff:1984:TRS

Michael Georgeff. Transformations and reduction strategies

Gulavani:2011:BSA


Gergeron:1982:SAS


Grove:2001:FCG

David Grove and Craig Chambers. A framework for call graph construction algorithms.

**Ganapathi:1985:AGD**


**Gini:1985:DWM**


**Griswold:1980:AUP**


**Gerber:1997:SRT**


**GarciaDeLaBanda:1996:GAC**


**Griswold:1981:GI**

Griswold, R. Ralph E. Griswold, David R. Hanson, and John T. Korb. Generators in Icon. *ACM Transactions on Programming Languages and Systems*, 3(2):144–161, April 1981. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

**Ghosh:1993:ASP**

Ghosh, S. Sukumar Ghosh. An alternative solution to a problem on
REFERENCES


Graham:1980:ICF


Gallager:1983:DAM


Giegerich:1983:FFD


Gupta:1993:APE


Glenstrup:2005:TAS


Garlan:1994:TAM


Gries:1980:APC

David Gries and Gary Levin. Assignment and procedure call

**Grumberg:1994:MCM**


**Gavanelli:2005:DIK**


**Greenberg:1988:SEA**


**Ganty:2012:AVA**


**Ghezzi:1979:IP**


**Greif:1981:SSW**

REFERENCES


Gannon:1981:DAI


Ghosh:1999:CME


Grant:2000:BCD


Gange:2015:IAM


Gomard:1992:SAP

REFERENCES


Gorlatch:2004:SRC


Grit:1981:DIR


Girkar:1995:ETL


Gupta:2001:PEP


Gal:2008:JBV


Grothoff:2007:EOC


Gil:2008:TDB

REFERENCES

CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


REFERENCES

Gupta:1994:ERA


Gerlek:1995:BIV


Garcia:2014:FTO


Gudeman:1992:DSG

David A. Gudeman. Deno-

Gudjonsson:1999:CTM


Glesner:2004:NSS


Gil:2005:EST

Joseph (Yossi) Gil and Yoav Zibin. Efficient subtyping tests

**Gil:2007:EDD**


**Hoffmann:2012:MAR**


**Hailperin:1998:COC**


**Hall:2005:IPA**


**Hansen:1981:CMI**

Hanson:1981:APP


Hansen:1992:SRF


Hannan:1994:OSD


Havelak:1997:NRI


Hind:1999:IPA

Harman:2009:DCS


Hassen:1998:TDP


Hertz:2006:GOL


Hickey:1992:CAM


Holt:1982:ISS


Hirzel:2002:UTL

Martin Hirzel, Amer Diwan, and Johannes Henkel. On the useful-

**Hennessy:1982:SDO**


**Henderson:1983:TCL**


**Hennessy:1986:PSS**


**Henglein:1993:TIP**


**Herlihy:1991:WFS**


**Herlihy:1993:MIH**


**Hesselink:1988:MAN**

[W. H. Hesselink. A mathematical approach to nondeterminism in data types. *ACM Transactions on Programming Languages and Systems*, 10(1):]
REFERENCES


Henzinger:2007:EMP


Haines:1994:CFC


Heering:1994:LIP


Hleihly:1982:VTM


Hirschowitz:2005:MMC


Hull:1984:CSP

REFERENCES

Hoffman:1982:PE


Higuchi:2007:STS


Hobson:1984:DEE


Holt:1987:DDC


Hicks:2005:DSU


Hamlen:2006:CCE


Holt:1987:DDC


Hoffman:1993:TSS


Hamlen:2006:CCE


Hicks:2005:DSU


Harper:1993:TSS


Higuchi:2007:STS


Hobson:1984:DEE

REFERENCES

Horwitz:1997:PFI


Howden:1980:ASV


Haghighat:1996:SAP


Hermenegildo:2000:IAC


Horwitz:1989:INV


Henzinger:2002:AGR


Hennessy:2002:IFV

Horwitz:1990:ISU


Horwitz:1986:GEE


Helsen:2004:PSM


Hayden:2014:KEG


Huang:2011:MSS


Hart:1983:TPC

REFERENCES


Holzle:1996:RRP


Huang:1990:DDD


Huang:1993:LEU


Hudson:1991:IAE


Haridi:1999:ELV


Hirzel:2007:FOP

REFERENCES


[Holt:1982:MIE]


[Herlihy:1990:LCC]


[Hudak:1991:CIE]


[Igarashi:2001:FJM]

[IPW01] Atsushi Igarashi, Benjamin C. Pierce, and Philip Wadler. Featherweight Java: a minimal core calculus for Java and GJ. *ACM Transactions on Programming Languages and Systems*, 23(3):396–450, May 2001. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

[Igarashi:2005:RUA]


[Honda:2007:UTS]


[Igarashi:2005:RUA]

[IPW01] Atsushi Igarashi, Benjamin C. Pierce, and Philip Wadler. Featherweight Java: a minimal core calculus for Java and GJ. *ACM Transactions on Programming Languages and Systems*, 23(3):396–450, May 2001. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

[Inoue:1988:AFP]

Igarashi:2006:VPT


Iverson:1979:O


Jagannathan:1994:MBB


Jay:2004:PC


Joisha:2006:AAS


Janssen:1997:MGR


Jefferson:1985:VT

Jeffery:2003:GLS


Jensen:1997:DPA


Juelich:1981:CAS


Jackson:1998:IFM


Jimenez:2002:RTN


Jagannathan:2014:ARV


Jeannet:2010:RAI


REFERENCES


REFERENCES

103

Khedker:1994:GTB


Kistler:2000:ADM


Kistler:2003:CPO


Knowles:2010:HTC


Keen:2004:JFD


Kaiser:1992:OBP

Kennedy:1998:ADL


Karkare:2007:IBC


Korach:1990:MTD


Kawahito:2006:ESE


Kennaway:1994:AGR


Kaiser:2014:WAM


Koopman:1992:CBC

[KL92] Philip J. Koopman, Jr., Peter Lee, and Daniel P. Siewiorek. Cache behavior of combinator graph reduction. *ACM Transactions on Programming Lan-
REFERENCES

Kristensen:1981:MCL


Kelly:1998:OCC


Klein:2006:MCM


Knapp:1990:EFD


Kobayashi:1998:PDF


Kim:2006:ERI

REFERENCES

Kozen:1997:KAT


Kurlander:1995:EIS


Katzenelson:1992:TMT


Kobayashi:1999:LPC


Kennedy:1979:DAG


Knoblock:2001:TES


Krogh:1982:AAP

REFERENCES

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


REFERENCES

Krogh:1992:AAP


Korach:1984:DAF


Kruskal:1988:ESM


Knoop:1994:OCM


Kieburtz:1979:CCS


Kieburtz:1983:ARE


Keller:1986:AC


Kennaway:1988:DSC

[KS88] Richard Kennaway and Ronan Sleep. Director strings as combinators. ACM Transactions on Programming Lan-
REFERENCES


Kennaway:1989:CDS


Kobayashi:2010:HTS


Khedker:2007:HRA


Knoop:1996:PFE


Kfoury:1993:TRP


Kuperman:2000:ATA

REFERENCES

Kalvala:2009:PTU


LaLonde:1981:CSC


LaLonde:1983:TCL


LaLonde:1984:TCC


LaLonde:1989:DFD


Lamport:1979:NAP

[Lam79] Leslie Lamport. A new approach to proving the correctness of multiprocess programs. ACM Transactions on Programming Languages and Systems, 1(1):84–97, July 1979. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic). See also corrigendum [Lam80].

Lamport:1980:CNA


Lamport:1983:SCP

[Lam83] Leslie Lamport. Specifying concurrent program modules. ACM Transactions on Programming Languages and Systems, 5(2):
REFERENCES

190–222, April 1983. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


REFERENCES

Leuschel:2004:FIP


Liang:2014:RGB


Lueh:2000:FBR


Lycklama:1991:FCF


Lhotak:2008:RAB


Lindstrom:1979:BGC


Lin:1993:PIA


REFERENCES


REFERENCES

ISSN 0164-0925 (print), 1558-4593 (electronic).

**Leverett:1980:CSD**


**Lindstrom:1981:RRB**


**Liskov:1983:GAL**


**Lamport:1984:HLC**


**Lang:1998:SAE**


**Levi:2003:MSA**


**Li:2004:ATI**


**Liquori:2008:FME**

DEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


[Lamport:1982:BGP] Leslie Lamport, Robert Shostak, and Marshall Pease. The Byzantine generals problem. *ACM Transactions on Programming Languages and Systems*, 4(3): 382–401, July 1982. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic). They proved that Byzantine agreement (the subject of Section ??) cannot be reached unless fewer than one-third of the processes are faulty. This result assumes that authentication, i.e., the crypting of messages to make them unforgeable, is not used. With unforgeable messages, they show that the problem is solvable for any $n \geq t > 0$, where $n$ is the total number of processes and $t$ is the number of faulty processes.


REFERENCES

LeCharlier:1994:EEG


Lipton:1983:VLP


Leivent:1993:MFT


Liskov:1994:BNS


Lee:1998:PAF


Mallgren:1982:FSG


Merlin:1983:CSS

REFERENCES

DEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

Morris:1999:SF


Millstein:2004:MTH


Morris:2009:TTN


Misra:1982:DGA


Misra:1982:TDD


McGraw:1982:VLD


McKinley:1996:IDL

REFERENCES


Morrison:1991:AHA


[MDCB91]

Moreau:2005:BDR


[MDJ05]

Moon:1997:PNC


[ME97]

Mauney:1988:DEL


[MF88]

Matthews:2009:OSM


[MF09]

Millstein:2009:EMP

[Todd Millstein, Christopher Frost, Jason Ryder, and Alessandro Warth. Expressive and modular predicate dispatch for Java. ACM Transactions on Programming Languages and Systems, 31(2):7:1–7:54, February 2009. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).]

[MFRW09]

Moriconi:1986:PSP

[Mark Moriconi and Dwight Hare. The PegaSys system: Pictures as formal documentation of large programs. ACM Transactions on Programming Languages and Systems, 8(4):]

[MH86]
REFERENCES


Mirani:2004:FCM


Merro:2006:BBS


Milne:1985:CRC


Minsky:1984:SLC


Misra:1981:EPE


Misra:1986:AMA


Misra:1994:SLC


Micallef:1994:EAG


Ma:1980:DMI


Martelli:1982:EUA


Myers:1989:RRA


Markstrum:2010:JDP


Morzenti:1992:MPR


Moreira:2000:FMJ


Marathe:2007:MMT

Jaydeep Marathe, Frank Mueller, Tushar Mohan, Sally A. McKeever, Bronis R. De Supinski, and...


**Muller-Olm:2007:AMA**


**Murer:1996:IAS**


**Mitchell:1988:ATE**


**Moore:2002:AC**


**McKinley:2007:ECG**


**McKinley:2010:DVT**


**McKinley:2010:PVT**

Kathryn S. McKinley and Keshav Pingali. La prossima vita at TOPLAS. *ACM Transactions on Programming Languages and Systems*, 32(6):20:1, August 2010. CODEN ATPSDT. ISSN
REFERENCES

0164-0925 (print), 1558-4593 (electronic).

Menon:2003:FSA


Moreau:2005:RAP


Morgan:1988:RC


Maher:1983:API


Murphy:1988:NDP


Marriott:1994:DAI


Madhavan:2000:EGG

REFERENCES


REFERENCES

ISSN 0164-0925 (print), 1558-4593 (electronic).

Manna:1980:DAP


Manna:1984:SCP


Mulkers:1994:LSD


Morrisett:1999:SFT


McKenzie:1995:ERS


Myers:1990:CU1


Narlikar:1999:SES

Girija J. Narlikar and Guy E. Blelloch. Space-efficient schedul-


URL http://www.acm.org/pubs/toc/Abstracts/0164-0925/69564.html. See also remarks in [FA93].
REFERENCES

1. Nielson:1986:TCC


5. Nikolic:2013:RAP


7. Nandivada:2013:TFO
REFERENCES


Odersky:2004:GE


Oppen:1980:P


Ossefort:1983:CPC


OHearn:2009:SIH


Pingali:1985:EDD


Pingali:1986:CFI


Pingali:1986:EDD


Palsberg:1995:CAC


Paulson:2001:MTP


Papadimitriou:1980:PBH


Pingali:1997:OCD


Paz:2007:EFC


Porter:2015:PFG


Park:1985:NAL


Preda:2008:SBA

REFERENCES

Pan:2008:PFE


Pemberton:1983:TCT


Perrott:1979:LAV


Perry:1990:GEI


Peterson:1982:UAC

[Pet82] Gary L. Peterson. An \(O(n \log n)\) unidirectional algorithm for the circular extrema problem. ACM Transactions on Programming Languages and Systems, 4(4):758–762, October 1982. CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic). Peterson presents a deterministic distributed algorithm for finding the largest of a set of \(n\) uniquely numbered processes in a ring. The algorithm requires \(O(n \log n)\) messages in the worst case, and is unidirectional. The number of processes is not initially known.

Peterson:1983:CRW


Peterson:1983:NSL


Proebsting:1996:DDR

[TvS82, Tan83]


ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


[PP94] Shlomit S. Pinter and Ron Y. Pinter. Program optimization and parallelization using idioms. ACM Transactions on Programming Languages and Systems,
REFERENCES


Prywes:1979:UNS


Park:2008:PLB


Podelski:2007:TPA


Proebsting:1995:BAG


Pollock:1992:IGR


Palem:1993:STC


Palsberg:1996:CTT


REFERENCES


Quong:1991:LPI

Quillere:2000:OMU

Ramalingam:1994:UA

Ramalingam:1999:ILA

Ramalingam:2000:CSS

Rao:1994:RAP
Josyula R. Rao. Reasoning about probabilistic parallel programs. ACM Transactions on Programming Languages and Systems, 16(3):798–
REFERENCES


REFERENCES


REFERENCES

Ramsey:1997:SRM

Rosenkrantz:1987:EAA

Rhiger:2003:FEL

Richter:1985:NSE

Roychoudhury:2004:UFT

Renganarayanan:2012:PLT

Rinard:1998:DIE
Martin C. Rinard and Monica S. Lam. The design, implementation, and evaluation of Jade. *ACM Transactions on Programming Languages and Systems*, 20(3):483–545, May 1998. CODEN ATPSDT. ISSN 0164-
REFERENCES


REFERENCES


Rugina:2005:SBA

Rinetzky:2008:CPF

Ramanath:1984:JML

Reif:1984:RTS

Raja:1997:CFC

Reps:2010:FDL

Reps:1983:ICD
Thomas Reps, Tim Teitelbaum, and Alan Demers. Incremental
context-dependent analysis for
language-based editors. *ACM
Transactions on Programming
Languages and Systems*, 5(3):
449–477, July 1983. CODEN
ATPSDT. ISSN 0164-0925
(print), 1558-4593 (electronic).

proof of a conjecture of DeRe-
mer and Pennello. *ACM Trans-
actions on Programming Lan-
guages and Systems*, 8(2):264–
271, April 1986. CODEN
ATPSDT. ISSN 0164-0925
(print), 1558-4593 (electronic).
URL http://www.acm.org/
pubs/citations/journals/toplas/
2000-22-1/p129-shao/.

[Sag07] Mooly Sagiv. Introduction to
special ESOP’05 issue. *ACM Trans-
actions on Programming Lan-
guages and Systems*, 29(5):
23:1–23:2, August 2007. CODEN
ATPSDT. ISSN 0164-0925
(print), 1558-4593 (electronic).

[Sam80] Hanan Samet. A coroutine
approach to parsing. *ACM Trans-
actions on Programming Lan-
guages and Systems*, 2(3):
290–306, July 1980. CODEN
ATPSDT. ISSN 0164-0925
(print), 1558-4593 (electronic).

[San96] David Sands. Total correct-
ness by local improvement in
the transformation of func-
tional programs. *ACM Trans-
actions on Programming Lan-
guages and Systems*, 18(2):175–
234, March 1996. CODEN
Sangiorgi:2009:OBC


Schwartz:1980:U


Schneider:1982:SDP


Schmidt:1985:DGV


Sampaio:2013:DA


Strickland:2013:CFC


Sethi:1983:CFA


Stamos:1990:RE

REFERENCES


REFERENCES

Stoyle:2007:MMS


Sheard:1991:AGU


Sijtsma:1989:PRL


Sipala:1982:CSB


Sites:1979:CLI


Spoto:2003:CAA


Scott:2006:RNG


Smans:2012:IDF

REFERENCES

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


REFERENCES

Steensgaard-Madsen:1982:TCS


Steensgaard-Madsen:1989:TRO


Spoto:2010:TAJ


Sokolowski:1987:SHL


Solworth:1992:E


Sonnenschein:1987:GTS


Stork:2014:APB


REFERENCES

DEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).

[S Sagiv:1998:SSA]

[S Sagiv:2002:PSA]

[Soisalon-Soininen:1982:IEE]

[Schlichting:1984:UMP]

[Shasha:1988:ECE]

[Skeppstedt:1996:UDA]

[Sagonas:1998:AMT]
Konstantinos Sagonas and Terrance Swift. An abstract machine for tabled execution of


REFERENCES

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


Sabry:1997:RCV

Steckler:1997:LCC

Sewell:2010:NPP

Suganuma:2005:DED

Suganuma:2006:RBC

Seo:2007:GDW

Swinehart:1986:SVC
Terauchi:2008:CCC


Terauchi:2008:WSE


Tai:1979:NSG


Tanenbaum:1983:TCT


Tardieu:2007:DLS


Tsay:1995:DFP


Tofte:1998:RIA


Tzannes:2014:LSR

REFERENCES

ACM Transactions on Programming Languages and Systems, 36 (3):10:1–10:??, September 2014. [Tip88]
CODEN ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


Gerard Tel and Friedmann Mattern. The derivation of dis-
REFERENCES


Thammanur:2004:FME


Tratt:2008:DSL


Torp-Smith:2008:LRA


Tip:2002:PET


Tang:2000:PTR


Turini:1984:MLO


Turchin:1986:CS

Valentin F. Turchin. The concept of a supercompiler. *ACM Transactions on Programming
Thies:2007:STU


Tanenbaum:1982:UPO


Thatcher:1982:DTS


Ungar:1992:ATP


Unger:2002:HIL


Vera:2005:ACM


**vonHanxleden:2000:BCP**


**VanDenBrand:2002:CLD**


**Verdoolaege:2012:ECS**


**Volpano:1991:TCS**


**vandenBos:1981:PCB**


**VanHentenryck:1995:BTC**

REFERENCES


REFERENCES

ATPSDT. ISSN 0164-0925 (print), 1558-4593 (electronic).


REFERENCES


Webber:1995:OFP


Weihl:1989:LAP


Weihl:1990:LSA


Wetherell:1982:EDV


Weyuker:1983:ATD


Wagner:1998:EFI


Widom:1992:TBN

REFERENCES


REFERENCES


Walicki:1995:CCM


Wu:2012:STB


Weimer:2008:ESP


Wolf:1992:GEI


Wolfe:1994:DDD


Welch:2010:SCF


Wang:2008:DSJ


Whitfield:1997:AEC

Deborah L. Whitfield and Mary Lou Soffa. An approach


REFERENCES


[102x681]REFERENCES

Yu:1997:NCI


Yang:1997:SMC


Yu:1994:LTS


Yellin:1991:ILI


Yellin:1997:PSC


Young:1999:SCB

Yahav:2010:VSP


Yang:2002:EEB


Zave:1985:DAF


Zhang:2005:CPT


Zanden:2001:LLA


Zhou:1996:PPC

REFERENCES


